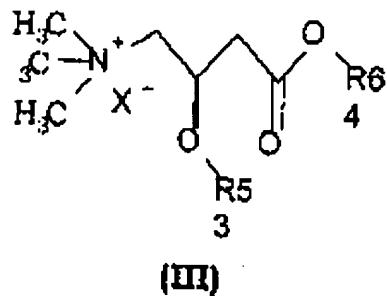


**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-42. Cancelled.

43. (Original) Use of a liposome comprising a compound of formula (III):



where:

$R_5$  is a saturated or unsaturated, straight or branched acyl chain, with 4-26 carbon atoms;

$R_6$  is a saturated or unsaturated, straight or branched alkyl chain, with 4-26 carbon atoms; and

$X^-$  is the anion of a pharmacologically acceptable acid; w

with the proviso that:

when  $R_5$  is stearoyl,  $R_6$  is not stearyl,

when  $R_5$  is oleoyl,  $R_6$  is not stearyl,

when  $R_5$  is palmitoyl,  $R_6$  is not palmitoyl,

when  $R_5$  is myristoyl,  $R_6$  is not myristoyl,

when  $R_5$  is lauroyl,  $R_6$  is not lauryl,

when  $R_5$  is oleoyl,  $R_6$  is not oleyl

for the transport of a naturally occurring or modified plasmid or polynucleotide.

44. (Original) Use according to claim 43, in which  $R_5$  is preferably selected from the group consisting of nonanoyl, dodecanoyl, myristoyl, palmitoyl, stearoyl or oleoyl.

45. (Original) Use according to claim 43, in which  $R_6$  is preferably selected from the group consisting of nonyl, undecyl, tetradecyl, hexadecyl or oleyl.

46. (Original) Use according to claim 43, in which  $X^-$  is selected from the group consisting of chloride; bromide; iodide; aspartate; acid aspartate; citrate; acid citrate; tartrate; acid tartrate; phosphate; acid phosphate; fumarate; acid fumarate; glycerophosphate; glucose phosphate; lactate; maleate; acid maleate; mucate; orotate; oxalate; acid oxalate; sulphate; acid sulphate; trichloroacetate; trifluoroacetate; methane suiphonate; pamoate and acid pamoate.

47. (Currently Amended ) Use according to ~~claims 43-46~~claim 43, in which the compound is selected from the group consisting of:

- palmitoyl L-carnitine chloride undecyl ester;
- stearoyl L-carnitine chloride undecyl ester;
- stearoyl L-carnitine chloride tetradecyl ester;
- palmitoyl L-carnitine chloride tetradecyl ester.

48. (Original) Use according to claim 43, in which the plasmid or polynucleotide

codes for a peptide or protein useful as a vaccine.

49. (Original) Use according to claim 43, in which the liposome additionally contains helper lipids.

50. (Original) Use according to claim 49, in which said helper lipid is selected from the group consisting of cholesterol, l-palmitoyl-2-oleoyl phosphatidyl choline or dioleyl phosphatidyl choline.

51. (Original) Composition comprising a liposome according to claim 43, for the transport of a naturally occurring or modified plasmid or polynucleotide.

52. (Original) Composition according to claim 51, in which the polynucleotide or plasmid codes for a peptide or protein useful as a vaccine.

53. (Currently Amended) Composition according to ~~claims 51-52~~claim 51, which can be administered orally, parenterally, intravenously, intramuscularly, subcutaneously, transdermally, or in the form of nasal or mouth sprays.